US008847995B2

(12) **United States Patent**
Kimura

(10) **Patent No.: US 8,847,995 B2**
(45) **Date of Patent: Sep. 30, 2014**

(54) **MOBILE TERMINAL DEVICE, METHOD FOR CONTROLLING MOBILE TERMINAL DEVICE, AND PROGRAM**

(75) Inventor: **Yoshiyuki Kimura**, Daito (JP)

(73) Assignee: **KYOCERA Corporation**, Kyoto (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 260 days.

(21) Appl. No.: **13/497,902**

(22) PCT Filed: **Sep. 27, 2010**

(86) PCT No.: **PCT/JP2010/066677**

§ 371 (c)(1),
(2), (4) Date: **Mar. 23, 2012**

(87) PCT Pub. No.: **WO2011/037222**

PCT Pub. Date: **Mar. 31, 2011**

(65) **Prior Publication Data**

US 2012/0236035 A1 Sep. 20, 2012

(30) **Foreign Application Priority Data**

Sep. 28, 2009 (JP) 2009-222525

(51) **Int. Cl.**

G09G 5/00	(2006.01)
G06F 3/0486	(2013.01)
H04M 1/02	(2006.01)
G06F 3/0481	(2013.01)
G06F 3/0488	(2013.01)

(52) **U.S. Cl.**

CPC ***H04M 1/0247*** (2013.01); ***G06F 3/0486*** (2013.01); ***H04M 1/0239*** (2013.01); *H04M 2250/22* (2013.01); *H04M 2250/16* (2013.01); ***G06F 3/04817*** (2013.01); ***G06F 3/0488*** (2013.01)

USPC **345/660**

(58) **Field of Classification Search**

USPC 345/660

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,345,543 A * 9/1994 Capps et al. 345/654
5,467,102 A * 11/1995 Kuno et al. 345/1.3

(Continued)

FOREIGN PATENT DOCUMENTS

JP 2002-044202 A 2/2002
JP 2009-151348 A 7/2009

(Continued)

OTHER PUBLICATIONS

Written Opinion and International Preliminary Report on Patentability issued for International Application No. PCT/JP2010/066677.

(Continued)

Primary Examiner — M Good Johnson

(74) *Attorney, Agent, or Firm* — Procopio, Cory, Hargreaves & Savitch LLP

(57) **ABSTRACT**

A mobile phone includes a first display **11**, a second display **21** arranged juxtaposed with the first display **11**, and touch panels **12**, **22** disposed on the displays **11**, **21** for detecting that an icon has been dragged. In response to user's dragging an icon, a CPU **100** executes a reduced screen display processing of reducing in size a display screen of each of the displays **11**, **21** to display the reduced display screens on the display on which the dragging operation is being performed. When the dragging operation has finished, the reduced display screens are returned to the display screens having the original size. Then, the CPU **100** displays the icon at a position, on the display screen having the original size, corresponding to the position of the icon on the reduced display screen at a time when the dragging operation has finished.

10 Claims, 18 Drawing Sheets